

REMARKS

In response to the restriction requirement dated December 16, 2004, applicants have canceled the pending claims and entered a new set of claims based upon Group III of the restriction requirement and the claims of the counterpart European application. "A yeast mutant that produces a glycoprotein comprising a sugar chain represented by formula (I)" of previous claim 44 corresponds to a yeast mutant wherein the MNN1 gene, the MNN4 gene, and the OCH1 gene are disrupted.

The new claims relate to a method for preparing a yeast mutant producing a glycoprotein having a sugar chain represented by formula (IV), a yeast mutant produced by this method, and a method for producing a glycoprotein having a sugar chain represented by formula (IV). Applicants urge that producing a glycoprotein having a sugar chain represented by formula (IV) by disruption of the MNN1 gene, and MNN4 gene and OCH1 gene is a common technical feature to all of the claims and therefore the present claims have unity of invention.

Applicants have confirmed that the $\Delta mnn1\Delta mnn4\Delta och1$ triple mutant TIY19 (produced in Example 1) has an Man₈GlcNAc₂-type sugar chain (1) (Example 3). Moreover, applicants have confirmed that the yeast mutant TIY 19pYOMG4 obtained by introducing an α -mannosidase I gene and a GnT-I gene into the TIY19 has a GlcNAc Man₅GlcNAc₂-type sugar chain (IV) (Example 6).

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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